TCP Connection behind NAT Router

(KX-TGP series)

No. 02-015

April 20 , 2011

Ver.1.0

Panasonic Corporation

Abstract about this document

This document describe about setting of TCP connection behind NAT router.

Revision history

Date	Version	Revision	Firmware version
Apr. 20, 2011	Ver. 1.0	Initial Release	All versions

<u>Outline</u>

If you use phone using TCP located behind NAT router, it may required to open port of NAT router for port forwarding otherwise sometimes SIP communication cannot be established.

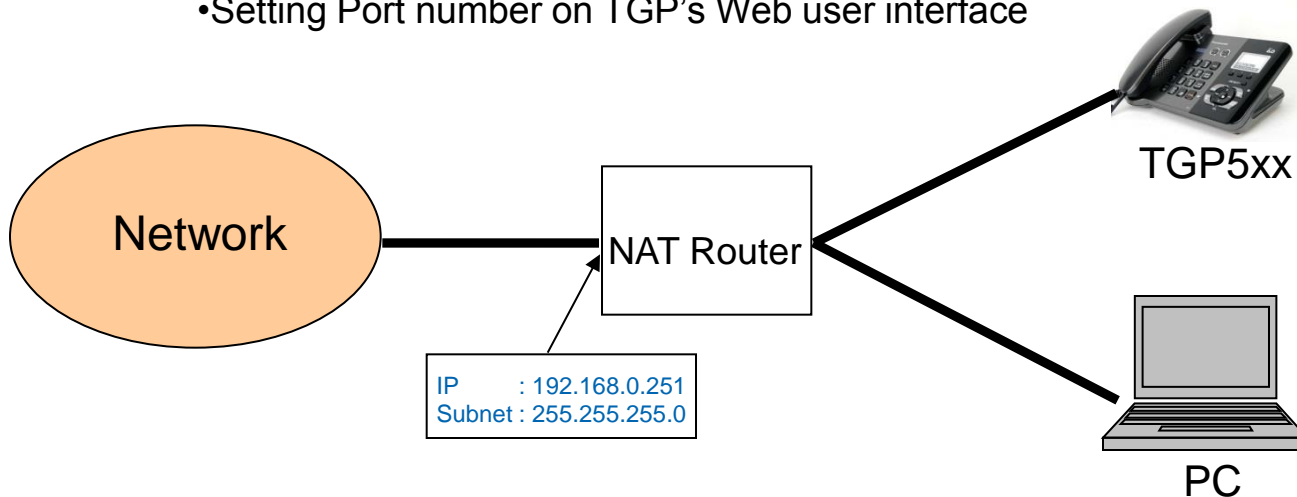## <u>NAT Router settings</u>

Step1: NAT router settings

<u>TGP settings</u>

Step2: TGP Settings (Static global IP address)

•Setting Static global address on TGP's Web user interface
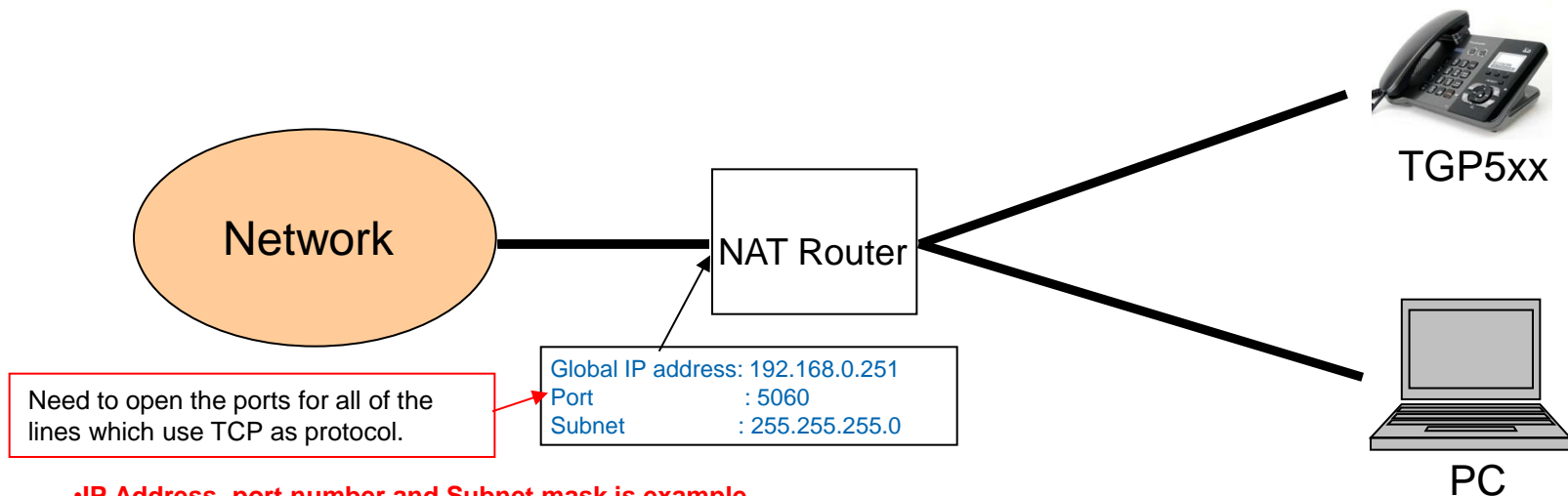
Step3: TGP Settings (Port number)

•Setting Port number on TGP's Web user interface

Network

NAT Router

TGP5xx

IP   : 192.168.0.251
Subnet : 255.255.255.0

PC

* IP Address and Subnet mask is example.

Step1 NAT Router settings

1. Activate IP Masquerade function of NAT Router

2. Check the global address of NAT Router

3. Open Port of NAT Router connected with network side

Network

NAT Router

TGP5xx

PC

Need to open the ports for all of the lines which use TCP as protocol.

Global IP address: 192.168.0.251
Port   : 5060
Subnet   : 255.255.255.0

•**IP Address, port number and Subnet mask is example.**
•**Also, please refer manual of router for how to open port of NAT router.**

Step2 TGP settings (Setting Static global address)

Setting Static global address on TGP's Web user interface

1. Open TGP's Web user interface.

2. Login administrator account.

3. Click
   [Network] – [static NAPT Settings].

4. Enter "Global IP Address" checked
   at Step1-2.

5. Select "Yes" to "Enable Global IP
   Address Usage per Line", you want
   to use Lines as TCP connection.

6. Click [Save].

Step3 TGP settings (Setting Port number)

Setting Port number on TGP's Web user interface

1. Click [VoIP].

2. Click [-Line *] selected "Yes" at Step2-5.

3. Enter Port number opened at Step1-3 to "SIP Source Port".

4. Click [Save].

THE SETTING WAS COMPLETED!

Access the Web user interface

1. Confirm the IP address of KX-TGP5xx.

1-1 : Handset [MENU] (center of joystick) → [#][5][0][1].

1-2 : Confirm the IP address displayed on LCD.

2. Embedded Web.

2-1 : Handset [MENU] (center of joystick) → [#][5][3][4].

2-2 : [1] (On) → [SAVE] (center of joystick) → [OFF].

3. Access the Web user interface.

3-1 : Open your Web browser.

3-2 : Enter your KX-TGP5xx URL to Web browser
(http://your KX-TGP5xx IP address) .

3-3 : Enter user name (admin) and password (adminpass) and click "OK".

3-4 : The Web user interface window is displayed.
Configure the settings for the unit as desired.